

JOS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Charles GERDAY et al.

Appl. No. *To Be Determined*

Confirmation No. *To Be Determined*

Filed: March 18, 2004

Art Unit: *To Be Determined*

Examiner: *To Be Determined*

Atty. Docket No.: 31601-201282

For: COLD-ACTIVE BETA  
GALACTOSIDASE, THE  
PROCESS FOR ITS  
PREPARATION AND THE USE  
THEREOF

Customer No.:

26694

**Information Disclosure Statement**

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

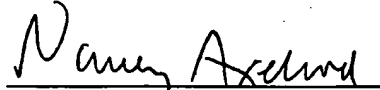
Sir:

In accordance with the duty of disclosure under 37 CFR § 1.56, Applicants hereby notify the U.S. Patent and Trademark Office of the documents that are listed on the attached PTO-1449 forms. All of the listed references are of record in parent Application No. 09/501,136 where copies may be obtained in accordance with customary PTO practice. Applicants request that these documents be considered and listed on the face of any patent granted in this application.

Applicants: Charles GERDAY et al.  
Appl. No. *To Be Determined*

The present Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits, and therefore no Statement Under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

Respectfully submitted,



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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**Complete if Known**

Application Number	To Be Determined
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Filing Date	March 17, 2004
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First Named Inventor	Charles GERDAY
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Group Art Unit	To Be Determined
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Examiner Name	To Be Determined
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Sheet	1	of	2
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Attorney Docket Number	31601-201282
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[illegible][illegible]

**Examiner  
Signature**

Date Considered

12/20/66

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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**VENABLE**  
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 2

### Complete if Known

Application Number	To Be Determined
Filing Date	
First Named Inventor	Charles GERDAY
Group Art Unit	To Be Determined
Examiner Name	To Be Determined
Attorney Docket Number	31601-201282

### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
RT	5	Godfrey et al., "Industrial Enzymology: the application of enzymes in industry," <i>The Nature Press</i> , Chapter 4, pp. 268-277 (1983).	
	6	Hoyoux et al., "Cold-Adapted $\beta$ -Galactosidase from Antarctic Psychrophile <i>Pseudoaltermonas Haloplanktis</i> ," <i>Applied and Environmental Microbiology</i> 67: 1529-1535 (April 2001).	
	7	Hoyoux et al., "A Cold Adapted $\beta$ -Galactosidase from Antarctic Bacteria," <i>Laboratory of Biochemistry, Institute of Chemistry B6, University of Liege, B-4000 Liege, Bioforum</i> (May 1999).	
	8	Heyoux et al., "A Cold Adapted $\beta$ -Galactosidase from Antarctic Bacteria," <i>Bioforum</i> , 6, May 1999, 1 page.	
	9	JM Francois et al., "A Cold Adapted Bacterial $\beta$ -Galactosidase from Antarctica," <i>Database EMBL</i> online (1998), Accession No. AJ 131635.	
	10	Morita, "Psychrophilic Bacteria," <i>Oregon Agricultural Experiment Station, Bacteriological Reviews</i> , technical paper No. 4006, June 1975, pp. 144-167.	
	11	Ngo et al., "Computational Complexity, Protein Structure Prediction, and the Levinthal Paradox," <i>The Protein Folding Problem and Tertiary Structure Prediction</i> , 1994, Merz et al. (ed.), Birkhauser, Boston, MA, pp. 433 and 492-495.	
	12	Rahim et al., "Production and Characterization of $\beta$ -Galactosidase from Psychrotrophic <i>Bacillus subtilis</i> KL88," <i>Biotechnology and Applied Biochemistry</i> 13:245-256 (1991).	
	13	Trimbur et al., "Characterization of a Psychrotrophic <i>Arthrobacter</i> Gene and Its Cold-Active $\beta$ -Galactosidase," <i>Applied and Environmental Microbiology</i> , Vol. 60, pp. 4544-4552 (December 1994).	

Examiner Signature		Date Considered	12/20/06
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\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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